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April 11, 2002

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In re/ Application of Vogels, R. et al.
Application No. 10/036,949
Filed December 21, 2001

Anticipated Examiner: J. Ketter
Anticipated Art Unit: 1636

HIGH THROUGHPUT SCREENING OF GENE FUNCTION USING
ADENOVIRAL LIBRARIES FOR FUNCTIONAL GENOMICS APPLICATIONS

Attorney Docket No. 25,290-A US1

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on April 11, 2002.


Lynn M. White

Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

This Preliminary Amendment supplements the Preliminary Amendment filed with the application on December 21, 2001. Please amend the above-identified application as follows.

April 11, 2002

In the Specification

Please amend the paragraph which appears at page 10, lines 3 to 10, to read as follows.

FIG. 15: Potential hairpin conformation of a single-stranded DNA molecule that contains the HP/asp sequence (SEQ ID NO:11). *Asp*718I digestion of pICLha, containing the cloned oligonucleotides HP/asp1 and HP/asp2, yields a linear double-stranded DNA with an Ad5 ITR at one terminus and the HP/asp sequence at the other terminus. In cells in which the required adenovirus genes are present, replication can initiate at the terminus that contains the ITR sequence. During the chain elongation, one of the strands will be displaced. In cells expressing the adenoviral E2 region, a single-stranded DNA is produced with an Ad5 ITR at the 5'-terminus and the hairpin conformation at the 3'-terminus. Once formed, the free 3'-terminus of the hairpin can serve as a primer for cellular and/or adenoviral DNA polymerase to convert the single stranded DNA to double stranded DNA.

In response to a Notice to File Corrected Application Papers, dated February 12, 2002, applicants have deleted text from Figure 15. The amendment presented above incorporates some of the language from the text of Figure 15.

April 11, 2002

In the Drawings

Applicants submit herewith for the Examiner's consideration and approval a copy of Figure 20, amended in red ink, which corrects a typographical error.

Applicants are also submitting herewith an amended copy of Figure 20 that incorporates this change. Changing "Adenovirous" to "Adenovirus" in Figure 20 constitutes a spelling correction and as such does not constitute the addition of new matter.

Applicants enclose a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification

The paragraph which appears at page 10, lines 3 to 10, has been amended to read as follows.

FIG. 15: Potential hairpin conformation of a single-stranded DNA molecule that contains the HP/asp sequence (SEQ ID NO:11). *Asp*718I digestion of pICLha, containing the cloned oligonucleotides HP/asp1 and HP/asp2, yields a linear double-stranded DNA with an Ad5 ITR at one terminus and the HP/asp sequence at the other terminus. In cells in which the required adenovirus genes are present, replication can initiate at the terminus that contains the ITR sequence. During the chain elongation, one of the strands will be displaced. In cells expressing the adenoviral E2 region, a single-stranded DNA is produced with an Ad5 ITR at the 5'-terminus and the hairpin conformation at the 3'-terminus. Once formed, the free 3'-terminus of the hairpin can serve as a primer for cellular and/or adenoviral DNA polymerase to convert the single stranded DNA to double stranded DNA.

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Cloned adenovirus fragments

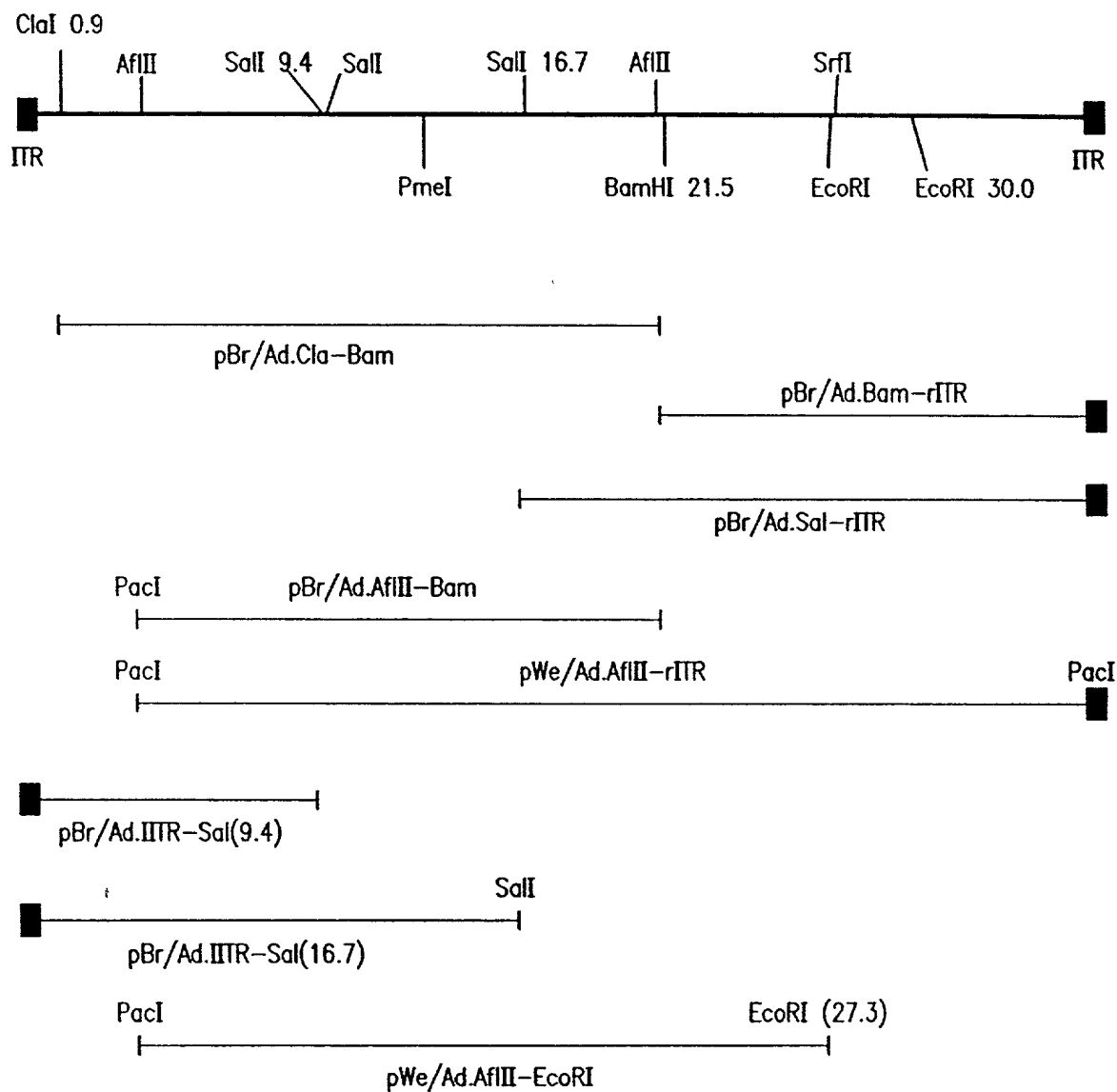


FIG. 20

Cloned adenovirus fragments

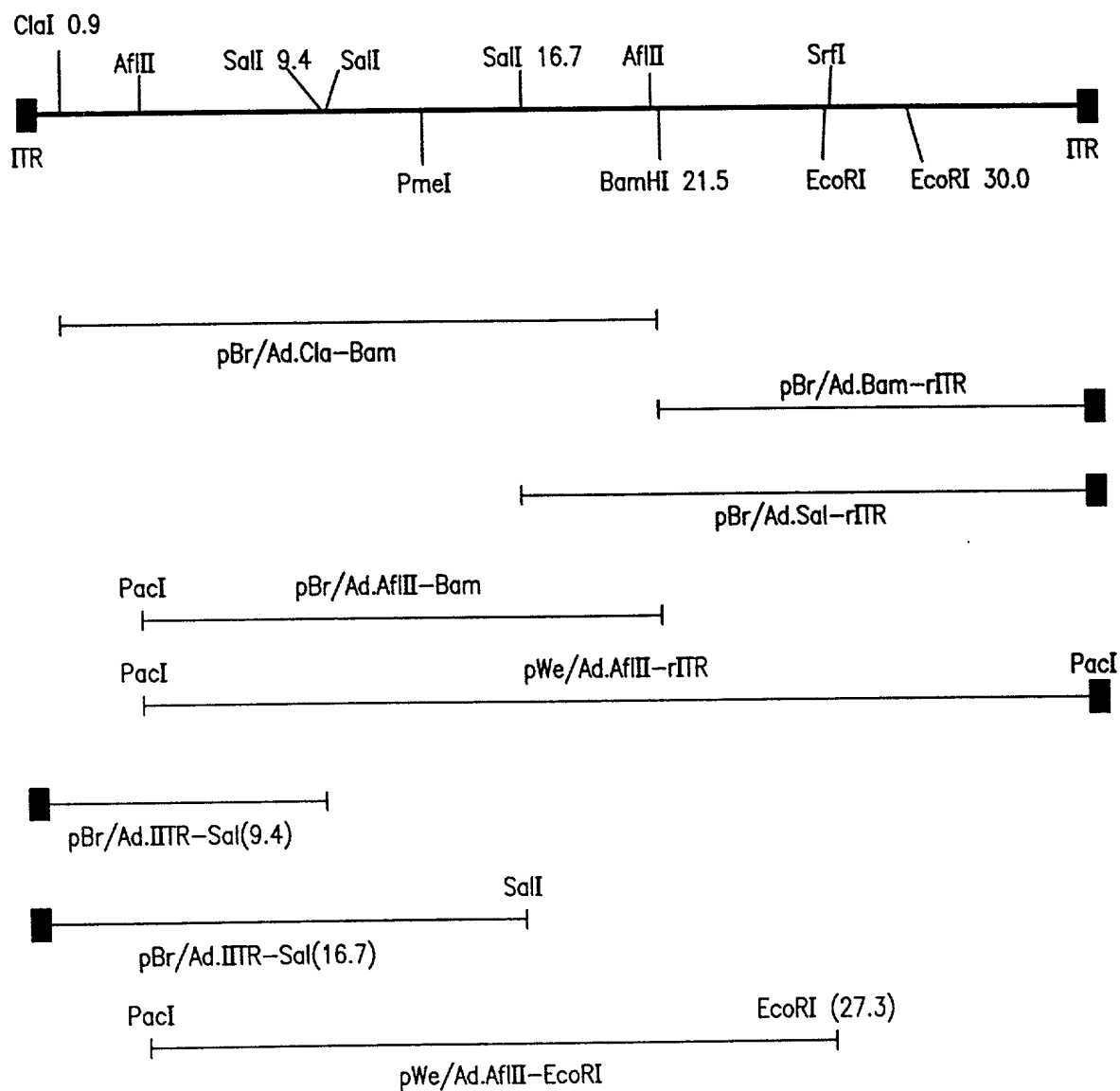


FIG. 20